## What is claimed is:

1. A linear guide apparatus for guiding a linear motion of a movable body along a guide rail on a fixed structure in a machine tool, comprising:

a rolling guide means including a rolling element for rolling on a surface of the guide rail; and

a brake means for enhancing the damping capacity of the rolling guide section,

wherein said brake means includes a pair of brake shoes, having a flexible structure, for sliding on the rolling element-rolling surface of the guide rail.

- 2. The linear guide apparatus according to claim 1, wherein an elastic member, biasing each brake shoe so that the brake shoe presses on the rolling element-rolling surface of the guide rail, is provided in the rear of the brake shoe.
- 3. The linear guide apparatus according to claim 2, wherein the brake shoe has a thin portion that allows a bend of the brake shoe by the force applied from the elastic member.
- 4. The linear guide apparatus according to any one of claims 1 to 3, wherein the sliding surface of each brake shoe is comprised of a resin sliding member.
- 5. The linear guide apparatus according to any one of claims 1 to 3, wherein the sliding surface of each brake shoe is comprised of an oil-free metal sliding member.
- 6. The linear guide apparatus according to claim 1, wherein the rolling element of the rolling guide means is a roller.
- The linear guide apparatus according to claim 1, wherein the rolling element of the rolling guide means is

a ball.

8. The linear guide apparatus according to claim 2 or 3, wherein each brake shoe is fastened to the brake means by a plurality of adjustment bolts which adjust the pressing force of the brake shoe so that it acts evenly on the rolling element-rolling surface of the guide rail.